

When you try to log in to phpmyadmin using the user 'root' you may get this error message:
1698 - Access denied for user 'root'@'localhost'

I had this issue when I was using Phpmyadmin with MySQL / mariaDB on 'localhost'

You may solve this problem by granting privileges to the user 'phpmyadmin'. So at least you can log in to phpmyadmin with the user 'phpmyadmin' and perform administrative tasks (create databases, etc). In order to do this follow these steps:

Open the terminal and run this command:

```
sudo mysql -h localhost -u root -p
```

First enter your password on Linux. And after that enter the password you've set for the root user of the database.

After that, proceed with this:

```
MariaDB [(none)]>SELECT User, Host, plugin FROM mysql.user;
```

User	Host	plugin
root	localhost	unix_socket
phpmyadmin	localhost	

As you can see in this example, there are 2 users of the database, root and phpmyadmin. Let's grant administrative privileges to the phpmyadmin user:

```
MariaDB [(none)]>GRANT ALL PRIVILEGES ON *.* TO 'phpmyadmin'@'localhost';  
MariaDB [(none)]>FLUSH PRIVILEGES;  
MariaDB [(none)]>exit;
```

More on the GRANT command: <https://mariadb.com/kb/en/library/grant/>

Now you can log in to phpmyadmin with the user 'phpmyadmin' with administrative privileges (you can create databases, etc)

